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**(54) SENSOR DISK FOR SWITCHED RELUCTANCE MOTOR**

**(57) Abstract:**

**PURPOSE:** A sensor disk for switched reluctance motor is provided, in which the dust at the sensor disk is removed by the rotation force of the motor, to thereby prevent cost increase and productivity deterioration.

**CONSTITUTION:** A sensor disk includes four sensing locations(101) corresponding to four poles of the rotor, a central hole(102) for insertion of the rotor shaft, and a plurality of air blow guide blades(103) formed in radial direction from the central hole so as to guide ambient air and prevent dust from being laid at the sensor disk. When the sensor disk rotates by the operation of the motor, high velocity air is pushed from an inlet(A) toward an outlet(B) by the air blow guide blades. Thus, dust laid onto the sensing locations formed at the front end of the outlet is removed.

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